

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/543,078  
Source: PCT  
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PATENT APPLICATION: US/10/543,078

DATE: 08/02/2005  
TIME: 15:00:57

Input Set : A:\Sequence listing as filed.txt  
Output Set: N:\CRF4\08022005\J543078.raw

3 <110> APPLICANT: KOHARA, Michinori  
4 WATANABE, Tsunamasa  
5 TAIRA, Kazunari  
6 MIYAGISHI, Makoto  
7 SUDO, Masayuki  
9 <120> TITLE OF INVENTION: Oligoribonucleotide or Peptide Nucleic Acid Inhibiting the  
10 Function of Hepatitis C Virus  
12 <130> FILE REFERENCE: 382.1047  
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/543,078  
C--> 15 <141> CURRENT FILING DATE: 2005-07-21  
17 <150> PRIOR APPLICATION NUMBER: JP 2003/016750  
18 <151> PRIOR FILING DATE: 2003-01-24  
20 <160> NUMBER OF SEQ ID NOS: 56  
22 <170> SOFTWARE: PatentIn Ver. 2.1  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 500  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Hepatitis C virus  
29 <400> SEQUENCE: 1  
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32 cccccctccc gggagagcca tagtggtctg cggAACCGT gagtacaccg gaattgcac 180  
33 gacgaccggg tcctttcttg gatcaacccg ctaatgcct ggagatttgg gcgtgcccc 240  
34 gcaagactgc tagccgagta gtgttggtc gcgaaaggcc ttgtgttact gcctgatagg 300  
35 gtgcttgcga gtgccccggg aggtctcgta gaccgtgcac catgagcacg aatcctaaac 360  
36 ctcaaaaaaa aaacaaacgt aacaccaacc gtcgcccaca ggacgtcaag ttcccgggtg 420  
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44 <213> ORGANISM: Hepatitis C virus  
46 <400> SEQUENCE: 2  
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49 cgggagagcc atagtggtct gcggAACCGT tgagtacacc ggaattgcac ggacgaccgg 180  
50 gtcctttctt ggtatcaaccc gctcaatgcc tggagatttgc ggcgtgcccc cgcgagactg 240  
51 ctagccgagt agtgggtggc cgcggaaaggc ttgtgttact tgccgtatag ggtgcttgcg 300  
52 agtgcggccgg gagggtctcgat agaccgtgcac ccatgagcac gaatcctaaa cctcaaagaa 360  
53 aaaccaaaacg taacaccaac cggcccccac aggacgtcaa gttcccgggc ggtggtcaga 420  
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55 ggaagacttc cgagcggtcg 500  
58 <210> SEQ ID NO: 3

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66 gagagccata gtggctcgat gaaccggta gtacaccgga attgccagga cgaccgggtc 180  
67 ctttcttgc tcaaccgcgt caatgcctgg agatttggc gtgccccccgc gagactgcta 240  
68 gccgagtagt gttgggtcgc gaaaggcctt gtggtaactgc ctgataggggt gcttgcgagt 300  
69 gccccggag gtctcgatca ccgtgcatca tgagcacaaa tcctaaacct caaagaaaaaa 360  
70 ccaaacgtaa caccaccgcg cgcccacagg acgttaagtt cccggcggt ggtcagatcg 420  
71 ttggtggagt ttacctgttgc cgcgcaggg gcccaggtt gggtgtgcgc gcgacttagga 480  
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83 accccccctc ccgggagagc catagtggtc tgcggaaaccg gtgagtagac ac ccgaattgcc 180  
84 aggacgaccg ggtcctttct tggatcaacc cgctcaatgc ctggagattt gggcgtgccc 240  
85 ccgcgagact gctagccgag tagtgggg tcgcgaaagg ccttggta ctgcctgata 300  
86 gggtgttgc gagtcccccg ggaggctcg tagaccgtgc atcatgagca caaatcccaa 360  
87 accccaaaga aaaacccaaac gtaacaccaa ccgtgcacca caggacgtca agttccggg 420  
88 tgggtgtcag atcggtggg gaggtaacct gttccgcgc agggggccca gttgggtgt 480  
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94 <212> TYPE: DNA  
95 <213> ORGANISM: Hepatitis C virus  
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100 ccccccctcc gggagagcca tagggctcg cgaaaccgggt gaggtagacccg gaattgccgg 180  
101 gaagaccggg tcctttcttgc gataaaacccg ctctatgccc ggcatttgg gcgtgcccc 240  
102 gcaagactgc tagccgagta gcgttgggtt gcggaaaggcc ttgtggtaactgc ctgtatagg 300  
103 gtgcttgcga gtccccccggg aggtctcgta gaccgtgcac catgagcaca aatcctaaac 360  
104 ctcaaagaaa aacccaaaga aacactaacc gtcgcacca agacgttaag ttccggcg 420  
105 gcggccagat cggtggcgga gtatacttgt tgccgcgtag gggccca ggtgggtgtc 480  
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117 ccccccctcc gggagagcca tagggctcg cgaaaccgggt gaggtagacccg gaattgccgg 180

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118 gaagactggg tccttcttg gataaaccca ctctatgccc ggccatttgg gcgtgcccccc 240  
 119 gcaagactgc tagccagta gcgttgggtt gcgaaaggcc ttgtggtaact gcctgatagg 300  
 120 gtgcttgcga gtccccccggg aggtctcgta gaccgtgcac catgagcaca aatcctaaac 360  
 121 ctcaaagaaa aaccacaga aacactaacc gtcgcccaca agacgttaag tttccggcgc 420  
 122 gccggccagat cggtggcgga gtatacttgt tgccgcgcag gggccctaga ttgggtgtgc 480  
 123 gcacgacaag gaagacttcg 500  
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 129 <213> ORGANISM: Hepatitis C virus  
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 133 cttcacgcag aaagcgtcta gccatggcgt tagtatgagt gtcgtacagc ctccaggccc 120  
 134 cccctcccg ggagagccat agtggtctgc ggaaccgggt agtacaccgg aattgcccgg 180  
 135 aagactgggt ctttcttgg ataaacccac tctatgccc gtcatttgg cgtgcccccc 240  
 136 caagactgct agccgagtag cggtgggtt cgaaaggcct tggtaactg cctgataggg 300  
 137 tgcttgcgag tgccccggga ggtctcgtag accgtgcacc atgagcaca atcctaaacc 360  
 138 tcaaagaaaa accaaaaagaa acaccaacccg tcgcccacaa gacgttaagt ttccggcgg 420  
 139 cgccagatc gttggcgag tatacttgtt gccgcgcagg ggccccaggt tgggtgtgcg 480  
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 146 <213> ORGANISM: Hepatitis C virus  
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 150 cttcacgcag aaagcgccta gccatggcgt tagtatgagt gtcgtacagc ctccaggccc 120  
 151 cccctcccg ggagagccat agtggtctgc ggaaccgggt agtacaccgg aattgcccgg 180  
 152 aagactgggt ctttcttgg ataaacccac tctatgccc gccatttgg cgtgcccccc 240  
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 154 cgcttgcgag tgccccggga ggtctcgtag accgtgcacc atgagcaca atcctaaacc 360  
 155 tcaaagaaaa accaaaaagaa acaccaacccg tcgcccacaa gacgttaagt ttccggcgg 420  
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 168 ccccccctccc gggagagcca tagtggtctg cggaaccgggt ggtacaccgg aattgcccgg 180  
 169 gaagactggg tccttcttg gataaaccca ctctatgccc ggccatttgg gcgtgcccccc 240  
 170 gcaagactgc tagccagta gcgttgggtt gcgaaaggcc ttgtggtaact gcctgatagg 300  
 171 gtgcttgcga gtccccccggg aggtctcgta gaccgtgcac catgagcaca aatcctaaac 360  
 172 ctcaaagaaa aaccacaga aacactaacc gtcgcccaca agacgttaag tttccggcgc 420  
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185 cccccctcccg. ggagagccat agtggtctgc ggaaccggtg agtacaccgg aattgccggg 180  
186 aagactgggt ccttcttgg ataaaccac tctatgccc gccatttggg cgtgcccccg 240  
187 caagaccgct agccgagtag cggtgggtt gcaaaggct tgggtactg cctgataggg 300  
188 tgcttgcag tgccccggga ggtctcgtag accgtgcacc atgagcacaa atctaaacc 360  
189 tcaaagacaa accaaaagaa acaccagccg tcgcccacaa gacgttaggt ttccgggccc 420  
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197 <213> ORGANISM: Hepatitis C virus  
199 <400> SEQUENCE: 11  
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202 cccccctccc gggagagcca tagtggtctg cgaaaccggt gagtacaccgg aattaccgg 180  
203 aaagactggg tccttcttg gataaaaccca ctctatgtcc ggtcatttgg gcacgcccc 240  
204 gcaagactgc tagccgagta gcgttgggtt gcaaaaggcc ttgtggtact gcctgatagg 300  
205 gtgcttgcga gtccccggg aggtctcgta gaccgtgcatt catgagcacaa aatcctaaac 360  
206 ctcaaagaaa aacaaaaga aacacaaacc gcccacaca ggacgttaag ttcccgggtg 420  
207 gcggtcagat cggtggcgga gtttacttgc tgccgcgcagg ggcccccagg ttgggtgtgc 480  
208 gcgacaaag gaagacttct 500  
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219 catttcctgt tttttttttt tttttttttt ttttttttctt tttttttttc tttctttcc 180  
220 ttctttttttt ctttctttt tcccttcttt aatgggtggct ccatcttagc cctagtcacg 240  
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233 gctccccaaac cgataaacccgg gggactaaac actccaggcc aataggccat ttcttttttt 180  
234 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 240  
235 ctttctttttt tttttttttt ttttcttctt tttgggtggct ccatcttagc cctagtcacg 300  
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 264 cttttccta ctccccgctc ggttagagcgg cacacattag ctacactcca tagctaactg 180  
 265 tccctttttt tttttttttt tgtttctttt ctttcttattt tccttcttat ctttattttt 240  
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 278 ttactcccc gctcgtaga gcggcacaca ttatctacac tccatagcta actgttcc 180  
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 292 ctccctactc cccgctcggt agagcggcac acactaggtt cactccatag ctaactgttc 180  
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**VERIFICATION SUMMARY**

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date